MERCHANT & GOULD P.C.

United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

| | I am the original, first and sole invent subject matter which is claimed and f | | is listed below) or a joint inventor (if plural inventor sought on the invention entitled: | ors |
|--|---|-------------------------------------|--|------------|
| The specification of whi a. \(\subseteq \) is attached hereto b. \(\subseteq \) was filed on described and claimed in solicit a United States pa | as application serial no. and variational no. filed | was amended on and as amended on | (if applicable) (in the case of a PCT-filed applica (if any), which I have reviewed and for which | |
| I hereby state that I have any amendment referred | | s of the above-identif | fied specification, including the claims, as amended | by |
| certificate listed below a that of the application or a. no such application | | eign application for p | 365 of any foreign application(s) for patent or invent patent or inventoratent or inventor's certificate having a filing date be | |
| | FOREIGN APPLICATION(S), IF AN | NY, CLAIMING PRIOR | ITY UNDER 35 USC § 119 | = |
| COUNTRY | APPLICATION NUMBER | DATE OF FILIN (day, month, yea | NG DATE OF ISSUE (day, month, year) | |
| Japan | 2002-321663 | 5 November 20 | | |
| - | ALL FOREIGN APPLICATION(S), IF AN | | | — i |
| COUNTRY | APPLICATION NUMBER | DATE OF FILIN (day, month, yea | · · · · · · · · · · · · · · · · · · · | _ |
| I hereby claim the benef below and, insofar as the | it under Title 35, United States Code, | § 120/365 of any Un | nited States and PCT international application(s) liste | 괻 ed |

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

| U.S. APPLICATION NUMBER | DATE OF FILING (day, month, year) | STATUS (patented, pending, abandoned) |
|-------------------------|-----------------------------------|---------------------------------------|
| | | |

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

| U.S. PROVISIONAL APPLICATION NUMBER | DATE OF FILING (Day, Month, Year) | | | |
|-------------------------------------|-----------------------------------|--|--|--|
| | | | | |

I acknowledge the duty to disclose information that is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (reprinted below):

§ 1.56 Duty t discl se information material t patentability.

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
 - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim;

or

- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application:
 - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.
- (e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

| Ali, M. Jeffer | Reg. No. 46,359 | | |
|-----------------------------|-----------------|-----------------------------------|------------------------------------|
| * Altera, Allan G. | Reg. No. 40,274 | Lauer, Deakin T. | Reg. No. 47,892 |
| Anderson, Gregg I. | Reg. No. 28,828 | Leach III, Thomas J. | Reg. No. P-53,188 |
| Batzli, Brian H. | Reg. No. 32,960 | Leonard, Christopher J. | Reg. No. 41,940 |
| Beard, John L. | Reg. No. 27,612 | Lewis, George C. | Reg. No. 53,214 |
| Berns, John M. | Reg. No. 43,496 | Liepa, Mara E. | Reg. No. 40,066 |
| Blackburn, Murrell W. | Reg. No. 50,881 | McDonald, Daniel W. | Reg. No. 32,044 |
| Bortolotti, Rebecca | Reg. No. 51,488 | McIntyre, Jr., William F. | Reg. No. 44,921 |
| Branch, John W. | Reg. No. 41,633 | Mueller, Douglas P. | Reg. No. 30,300 |
| Brown, Jeffrey C. | Reg. No. 41,643 | Nelson, Anna M. | Reg. No. 48,935 |
| Bruess, Steven C. | Reg. No. 34,130 | Parsons, Nancy J. | Reg. No. 40,364 |
| Byrne, Linda M. | Reg. No. 32,404 | Pauly, Daniel M. | Reg. No. 40,123 |
| Campbell, Keith | Reg. No. 46,597 | Peterson, Kyle T. | Reg. No. 46,989 |
| Clifford, John A. | Reg. No. 30,247 | Phillips, John B. | Reg. No. 37,206 |
| Cook, Jeffrey | Reg. No. 48,649 | Pino, Mark J. | Reg. No. 43,858 |
| Daignault, Ronald A. | Reg. No. 25,968 | Qualey, Terry | Reg. No. 25,148 |
| Daley, Dennis R. | Reg. No. 34,994 | Randall, Joshua N. | Reg. No. 50,719 |
| Daley, William J. | Reg. No. 52,471 | Reich, John C. | Reg. No. 37,703 |
| Daulton, Julie R. | Reg. No. 36,414 | Reiland, Earl D. | Reg. No. 25,767 |
| DeVries Smith, Katherine M. | Reg. No. 42,157 | Roath, Paul D. | Reg. No. 45,045 |
| DiPietro, Mark J. | Reg. No. 28,707 | Schmaltz, David G. | Reg. No. 39,828 |
| Doscotch, Matthew A. | Reg. No. 48,957 | Schuman, Mark D. | _ |
| Edell, Robert T. | Reg. No. 20,187 | Schumann, Michael D. | Reg. No. 31,197 Reg. No. 30,422 |
| Epp Ryan, Sandra | Reg. No. 39,667 | Scull, Timothy B. | Reg. No. 42,137 |
| Fitzsimmons, Karen A. | Reg. No. 50,470 | • | • |
| Gadiano, Christina M. | Reg. No. 37,628 | Sebald, Gregory A. | Reg. No. 33,280 |
| Gaffney, Matthew M. | Reg. No. 46,717 | Skoog, Mark T. Sorge, Keith M. | Reg. No. 40,178 |
| <u> </u> | - | - · | Reg. No. 50,865 |
| Goggin, Matthew J. | Reg. No. 44,125 | Stewart, Alan R. | Reg. No. 47,974 |
| Golla, Charles E. | Reg. No. 26,896 | Stoll-DeBell, Kirstin L. | Reg. No. 43,164 |
| Gorman, Alan G. | Reg. No. 38,472 | Sullivan, Timothy | Reg. No. 47,981 |
| Gould John D. | Reg. No. 44,722 | Swenson, Erik G. | Reg. No. 45,147 |
| Gould, John D. | Reg. No. 18,223 | Tellekson, David K. | Reg. No. 32,314 |
| Gregson, Richard | Reg. No. 41,804 | Trembath, Jon R. | Reg. No. 38,344 |
| Gresens, John J. | Reg. No. 33,112 | Tunheim, Marcia A. | Reg. No. 42,189 |
| Haack, John L. | Reg. No. 36,154 | Underhill, Albert L. | Reg. No. 27,403 |
| Hamre, Curtis B. | Reg. No. 29,165 | Vidovich, Kristin K. | Reg. No. 41,448 |
| Hennings, Mark | Reg. No. 48,982 | Wahl, John R. | Reg. No. 33,044 |
| Hertzberg, Brett A. | Reg. No. 42,660 | Welter, Paul A. | Reg. No. 20,890 |
| Hillson, Randall A. | Reg. No. 31,838 | Whitaker, John E. | Reg. No. 42,222 |
| Hope, Leonard J. | Reg. No. 44,774 | Wiegand, Jamie | Reg. No. 52,361 |
| Hornsby, III, Alton | Reg. No. 47,299 | Wier, David D. | Reg. No. 48,229 |
| Jacobson, Charles A. | Reg. No. 53,061 | Williams, Douglas J. | Reg. No. 27,054 |
| Johns, Nicholas P. | Reg. No. 48,995 | Withers, James D. | Reg. No. 40,376 |
| Johnston, Scott W. | Reg. No. 39,721 | Wong, Bryan A. | Reg. No. 50,836 |
| Kalinsky, Robert A. | Reg. No. 50,471 | Wong, Thomas S. | Reg. No. 48,577 |
| Kelly, Zachary J. | Reg. No. 53,108 | Xia, Tim Tingkang | Reg. No. 45,242 |
| Kettelberger, Denise | Reg. No. 33,924 | Zeuli, Anthony R. | Reg. No. 45,255 |
| Keys, Jeramie J. | Reg. No. 42,724 | | |
| Knearl, Homer L. | Reg. No. 21,197 | | |
| Korver, Joshua W. | Reg. No. 51,894 | | |
| Kowalchyk, Alan W. | Reg. No. 31,535 | | |
| Kowalchyk, Katherine M. | Reg. No. 36,848 | | |
| Lamberty, Michael | Reg. No. 50,760 | | |
| Larson, James A. | Reg. No. 40,443 | | |

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Merchant & Gould P.C. to the contrary.

I understand that the execution of this document, and the grant of a power of attorney, does not in itself establish an attorney-client relationship between the undersigned and the law firm Merchant & Gould P.C., or any of its attorneys.

Please direct all correspondence in this case to Merchant & Gould P.C. at the address indicated below:

Merchant & Gould P.C. P.O. Box 2903 Minneapolis, MN 55402-0903

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | Full Name | Family Name | First Given Name | | Second Given Name |
|-----------------------------------|--|-----------------------------------|--------------------------|------------------|--------------------------|
| 2 | Of Inventor | TANAKA | Aoi | | |
| | | | | | |
| 0 | Residence | City | State or Foreign Country | | Country of Citizenship |
| | & Citizenship | Osaka-shi | Osaka, Japan | | Јарап |
| 1 | Mailing | Address | City | | State & Zip Code/Country |
| | Address | 1-13-4, Shitennouji, Tennouji-ku | Osaka-shi | | Osaka 543-0051/ JAPAN |
| Signature of Inventor 201: Janaka | | | Date: | October 20, 2003 | |
| | Full Name | Family Name | First Given Name | | Second Given Name |
| 2 | Of Inventor | MINO | Norihisa | | |
| | | | | | |
| 0 | Residence | City | State or Foreign Country | | Country of Citizenship |
| | & Citizenship | Osaka-shi | Osaka, Japan | | Japan |
| 2 | Mailing | Address | City | | State & Zip Code/Country |
| | Address | 10-11-1703, Sugawara-cho, Kita-ku | Osaka-shi | | Osaka 530-0046/ JAPAN |
| Sign | Signature of Inventor 202: Noul for Mino | | | Date: | October 17. 2003 |
| | Full Name | Family Name | First Given Name | | Second Given Name |
| 2 | Of Inventor | нојо | Nobuhiko | | |
| | | | | | |
| 0 | Residence | City | State or Foreign Country | | Country of Citizenship |
| | & Citizenship | Neyagawa-shi | Osaka, Japan | | Japan |
| 3 | Mailing | Address | City | | State & Zip Code/Country |
| | Address | 30-1-204, Higashikourien-cho | Neyagawa-shi | | Osaka 572-0081/ JAPAN |
| Sign | Signature of Inventor 203: Wabukiba Haya | | | Date: | October 20, 2003 |
| | Full Name | Family Name | First Given Name | | Second Given Name |
| 2 | Of Inventor | УАМАМОТО | Taisuke | | |
| | | | | | |
| 0 | Residence | City | State or Foreign Country | | Country of Citizenship |
| | & Citizenship | Nara-shi | Nara, Japan | | Japan |
| 4 | Mailing | Address | City | | State & Zip Code/Country |
| | Address | 5-730-926, Gakuendaiwa-cho | Nara-shi | | Nara 631-0041/ JAPAN |
| Signa | Signature of Inventor 204: Taisuke Vainamoto Date: October 20, 2003 | | | | |

| 2 | Full Name Of Inventor | Family Name KONDO | First Given Name Yumi | | Second Given Name |
|--|----------------------------|---|--|--|--|
| 0 | Residence & Citizenship | City Osaka-shi | State or Foreign Country Osaka, Japan | | Country of Citizenship Japan |
| 5 | Mailing Address | Address 2-12-12-306, Komatsu, Higashiyodogawa-ku | City Osaka-shi | | State & Zip Code/Country Osaka 533-0004/ JAPAN |
| Signature of Inventor 205: Yumi Komda Date: October 20. 2003 | | | | | |